

## WT-2000PCI

### Turbo-G PCI Adapter

#### Turbo-G Family

The AirLive Turbo-G family provides 125Mbps wireless speed at the same cost as the Wireless-G devices. Unlike the Super-G mode that uses channel-binding technology, Turbo-G solution can deliver up to 1.5 times the speed of Wireless-G solution using one single channel. This means higher and more stable performance. Best of all, it is compatible with 802.11g and 802.11b solutions.



**Turbo Mode Compatibility Chart**

	MIMO	Turbo G	Super G	802.11G+
MIMO	MIMO	Turbo G	802.11g	802.11g
Turbo G	Turbo G	Turbo G	802.11g	802.11g
Super G	802.11g	802.11g	SuperG	802.11g
802.11G+	802.11g	802.11g	802.11g	802.11G+

\*The intersection value indicates the resulting operation mode.

#### Real World Performance

**Turbo-G 1.5X**

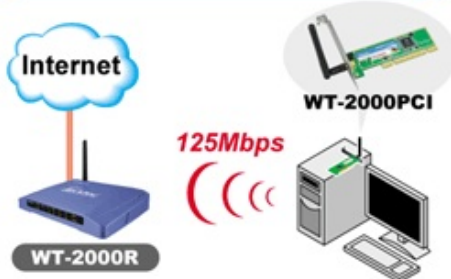
Super-G 1.3X

Wireless-G 1X

#### Linking your Desktop PC to the WLAN network

The WT-2000PCI is a high performance PCI card for desktop PC. It puts your desktop PC instantly to the wireless LAN network. With the removable SMA connector, you can replace the standard antenna to extend the distance.

#### Surf Internet Wirelessly



#### WMM and WPA2

The WT-2000PCI supports 802.11e WMM (Wifi Multimedia) that enables Quality of Service for video and audio applications. security has been always a concern for Enterprise to implement wireless device into their networks. The new WPA/WPA2 encryption standard (Wi-Fi Access Protect) has been developed to strengthen the wireless security for enterprise environment. The Key to WPA is the use of Temporal Key Integrity Protocol (TKIP) to bolster encryption of wireless packets. TKIP provides important data encryption enhancements including a per-packet key mixing function, a message integrity check (MIC), an extended initialization vector (IV) with sequencing rules, and a re-keying mechanism. Through these enhancements, the WPA/WPA2 addresses all WEP's known vulnerabilities. The card also support the standard 64/128-bit WEP encryption.

Manufacturer

**OvisLink Corp.**

[www.airlive.com](http://www.airlive.com)



## Specification

### INTERFACE

- 32-bit PCI 2.2s

### RADIO

- Chipset
  - Ralink Semiconductor
- Antenna
  - R-SMA connector, 2dBi Dipole Antenna included
- Frequency
  - USA (FCC) 11 Channels: 2.412GHz~2.462GHz
  - Europe (ETSI) 13 Channels: 2.412GHz~2.472GHz
  - Japan (TELEC) 14 Channels: 2.412GHz~2.483GHz
- Modulation
  - 11g Orthogonal Frequency Division Multiplexing (64QAM, 16QAM, QPSK, BPSK)
  - 11b Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
- Output Power
  - 11g
    - 64QAM: 16
    - 16QAM: 16
    - QPSK: 18
    - BPSK: 18
  - 11b
    - DBPSK, DQPSK, CCK: 18
- Receiver Sensitivity
  - -92db at 1Mbps
  - -70db at 54Mbps
- Data Rate
  - 11g mode: 54, 48, 36, 24, 18, 12, 9,

- 11b+ mode; 22 Mbps
- 11b mode; 11, 5.5, 2, 1 Mbps
- Voltage 3.3V

### OS Support

- Win98se/ME/2000/XP

### SECURITY

- WEP 64/128-bit
- WPA (Wi-Fi Access Protect), WPA-PSK
- WPA2

### Physical

- Dimension: 134mm(L)\*123mm
- Weight: 45g

### Temperature & Humidity

- Operating 0~55°C 90%
- Storage -20~75°C 20~80%

## Ordering Information

**AirLive WT-2000PCI** Turbo-G Wireless PCI adapter